



## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of **Suzuki, Toshiaki, et al.**Confirmation No.: **5129**Appln. No.: **10/501,647**Art Unit: **1634**Filed: **November 18, 2004**Examiner: **Bausch, Sarae L.**For: **METHOD FOR SPECIFYING SNP**Attorney Docket No.: **3883.021**Customer No. **30448**

## CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited either by facsimile to 571-273-8300 or with the U.S. Postal Service as First Class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 25, 2006.

*Longhong Chen*  
Longhong Chen, Reg. No. 56,150

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §1.97 and §1.98**

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the following documents for the above-identified application. Copies of the non-US documents set forth below and listed on the attached Forms PTO/SB/08A & PTO/SB/08B, copy of the Supplementary Partial European Search Report issued in the corresponding application are provided herewith.

Application No: 10/501,647  
Information Disclosure Statement

Attorney Docket No: 3883.021

1. PATIL ET AL.: "Blocks of limited haplotype diversity revealed by high-resolution scanning of human chromosome 21," American Association for the Advancement of Science, 2001, pages 1719-1723, Vol. 294, US (in English)
2. NIU ET AL.: "Bayesian haplotype inference for multiple linked single-nucleotide polymorphisms," American Journal of Human Genetics, American Society of Human Genetics, 2001, pages 157-169, Vol. 70, Chicago, US (in English)
3. WO 01/79540 A2 (in English)
4. WO 02/20835 A2 (in English)
5. ZHANG ET AL.: "A dynamic programming algorithm for haplotype block partitioning," Proceedings of the National Academy of Sciences of the United States of America, 2002, pages 7335-7339, Vol. 99, No. 11, US (in English)

Documents 1-5 are cited in the Supplementary Partial European Search Report.

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, therefore no Certification Under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the Examiner

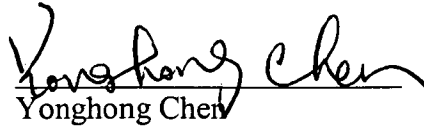
Application No: 10/501,647  
Information Disclosure Statement

Attorney Docket No: 3883.021

and be made of record in the present application and that an initialed copy of Forms PTO/SB/08A & PTO/SB/08B be returned in accordance with MPEP §609.

**Date: October 25, 2006**

Respectfully submitted,

  
Yonghong Chen

Registration No. 56,150

Customer No. 30448

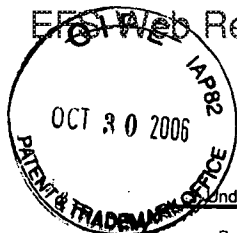
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Fax: 561-659-6313



PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	10/501,647
Filing Date	11/18/2004
First Named Inventor	Suzuki, Toshiaki
Art Unit	1634
Examiner Name	Bausch, Sarae L.
Attorney Docket Number	3883.021

Sheet	1	of	1
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## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

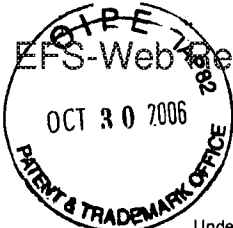
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
/MKZ/		WO 01/79540 A2	10-25-2001	VIRCO N.V.		
/MKZ/		WO 02/20835 A2	03-14-2002	GLAXO GROUP LIMITED		

Examiner Signature	/Mary K Zeman/	Date Considered	02/21/2008
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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PTO/SB/088 (07-05)

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/501,647
		Filing Date	11/18/2004
		First Named Inventor	Suzuki, Toshiaki
		Art Unit	1634
		Examiner Name	Bausch, Sarae L.
Sheet 1	of 1	Attorney Docket Number	3883.021

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/MKZ/		PATIL ET AL.: "Blocks of limited haplotype diversity revealed by high-resolution scanning of human chromosome 21," American Association for the Advancement of Science, 2001, pages 1719-1723, Vol. 294, US	
/MKZ/		NIU ET AL.: "Bayesian haplotype inference for multiple linked single-nucleotide polymorphisms," American Journal of Human Genetics, American Society of Human Genetics, 2001, pages 157-169, Vol. 70, Chicago, US	
/MKZ/		ZHANG ET AL.: "A dynamic programming algorithm for haplotype block partitioning," Proceedings of the National Academy of Sciences of the United States of America, 2002, pages 7335-7339, Vol. 99, No. 11, US	

Examiner Signature	/Mary K Zeman/	Date Considered	02/21/2008
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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